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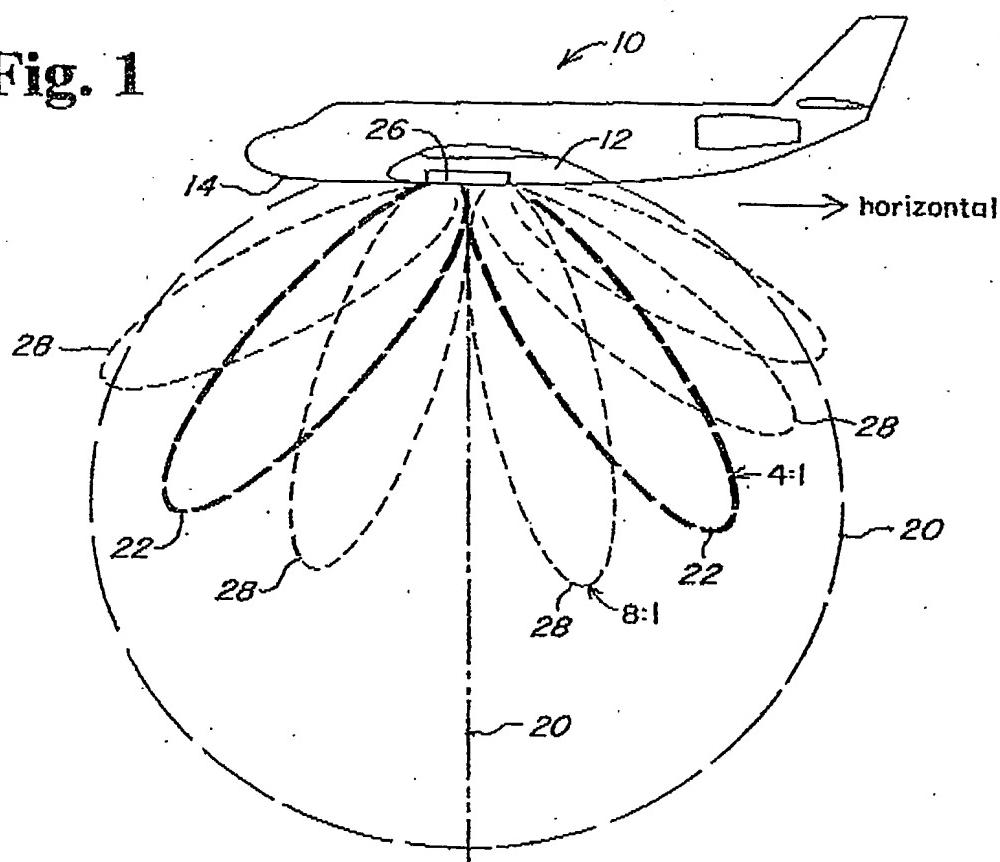
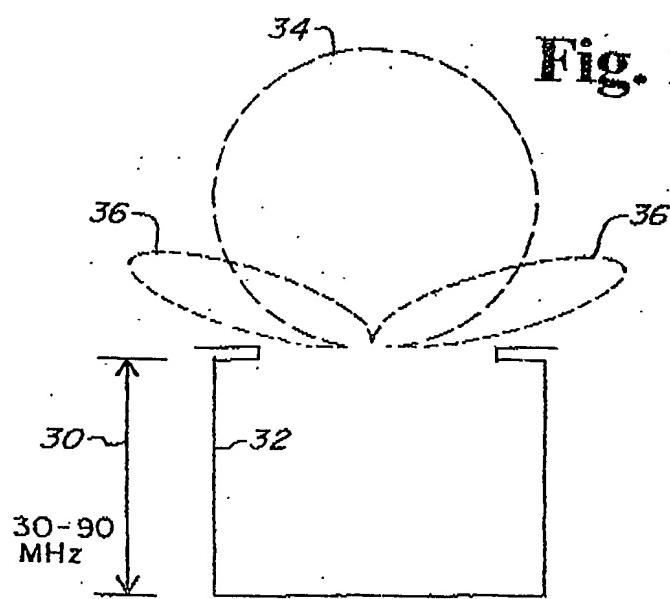
Fig. 1**Fig. 2**



Fig. 3

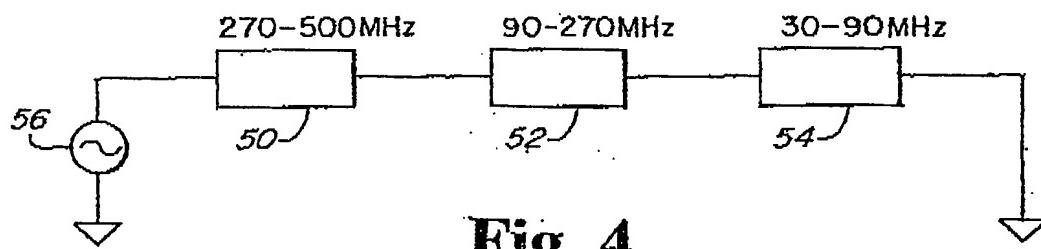


Fig. 4

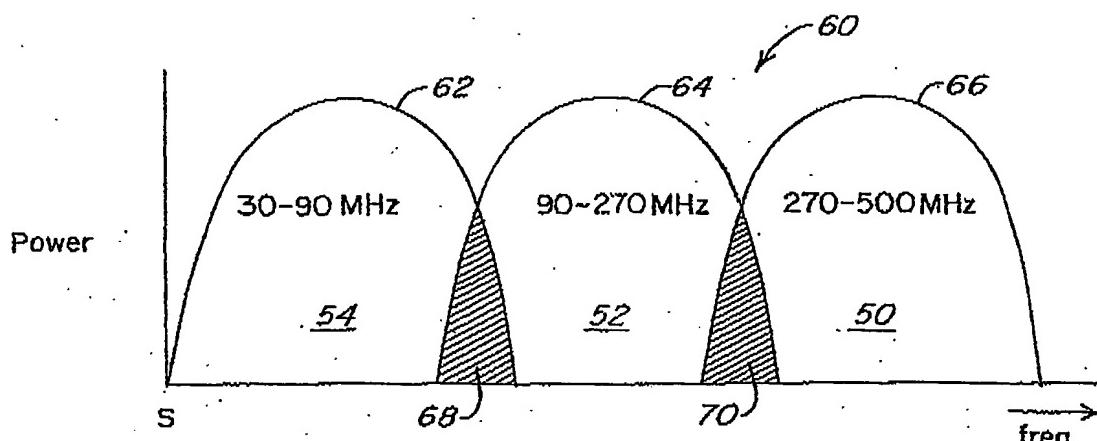
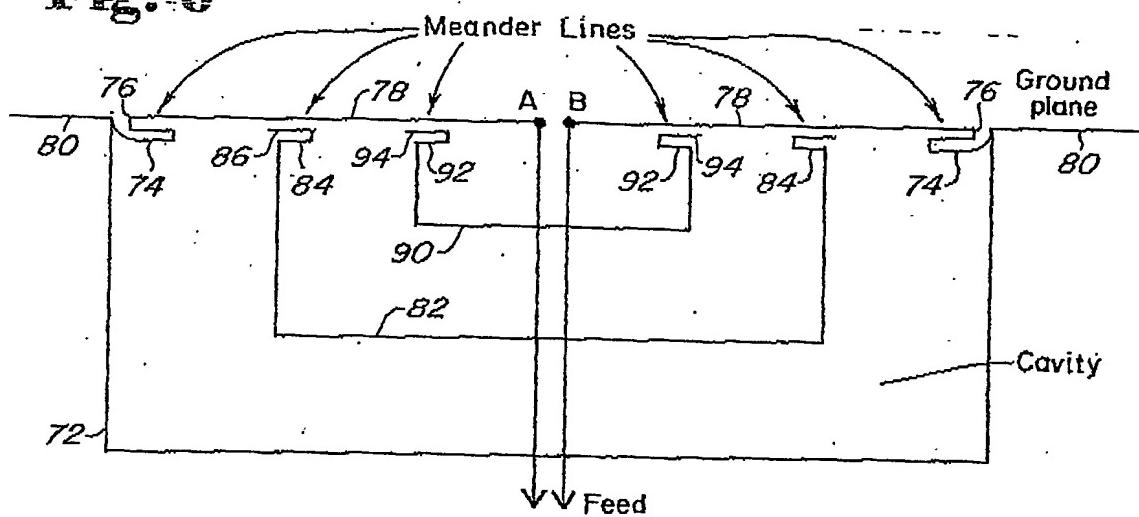
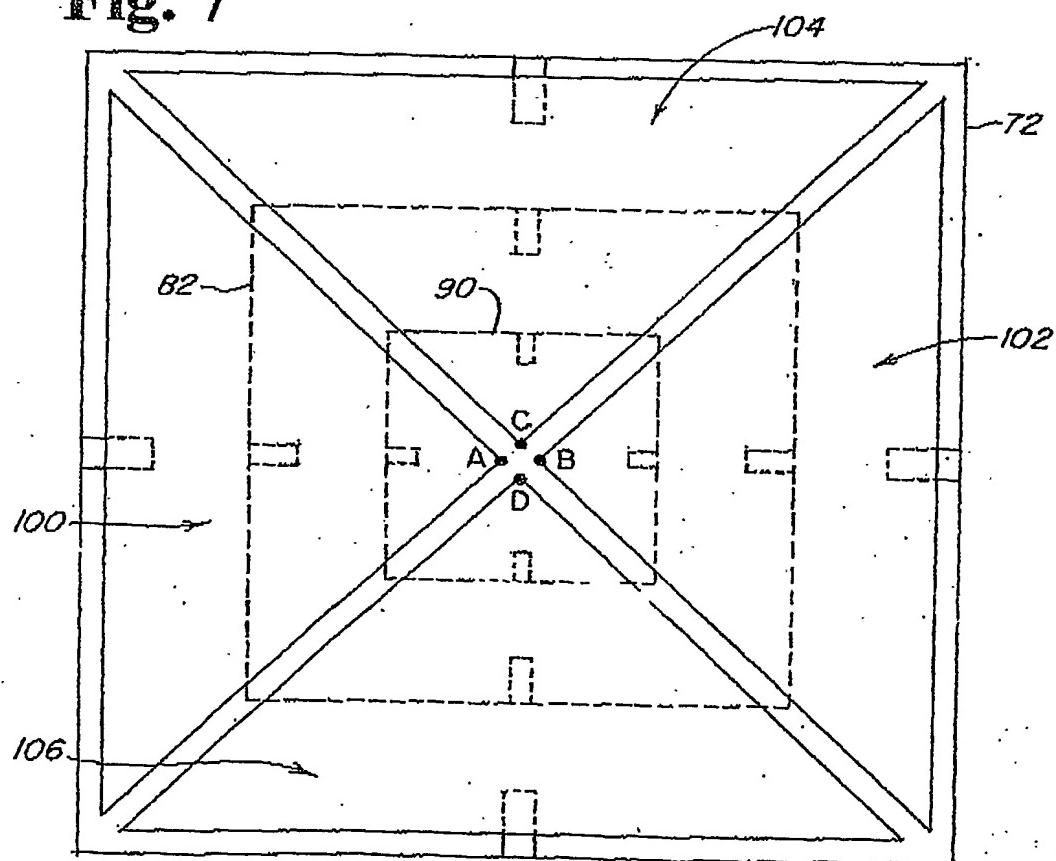


Fig. 5

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Fig. 6**Fig. 7**

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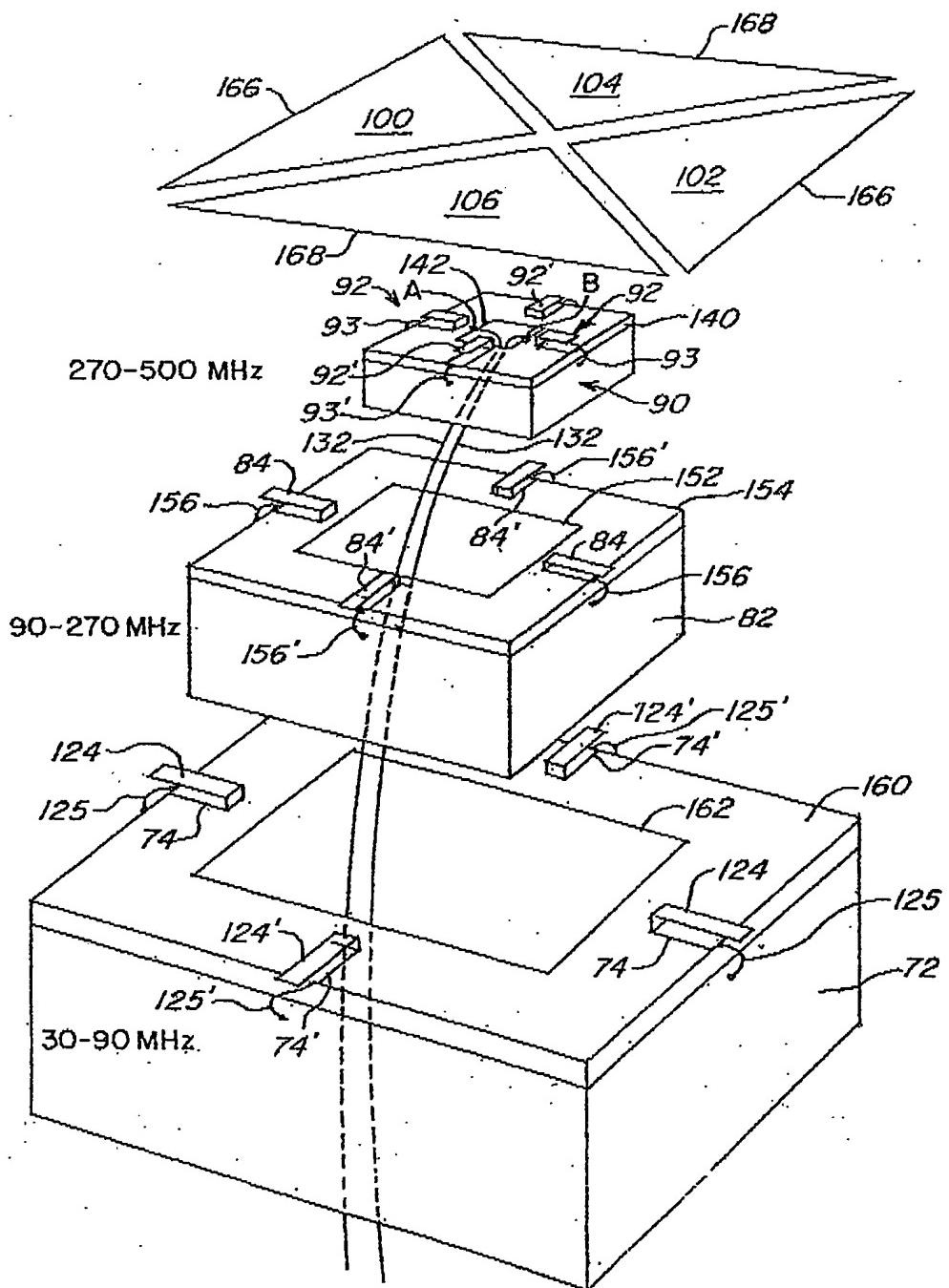
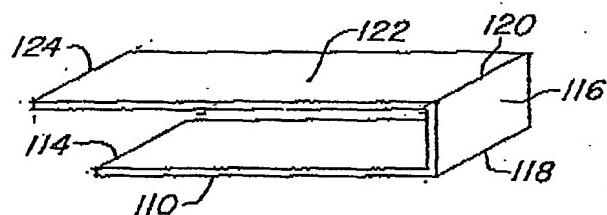
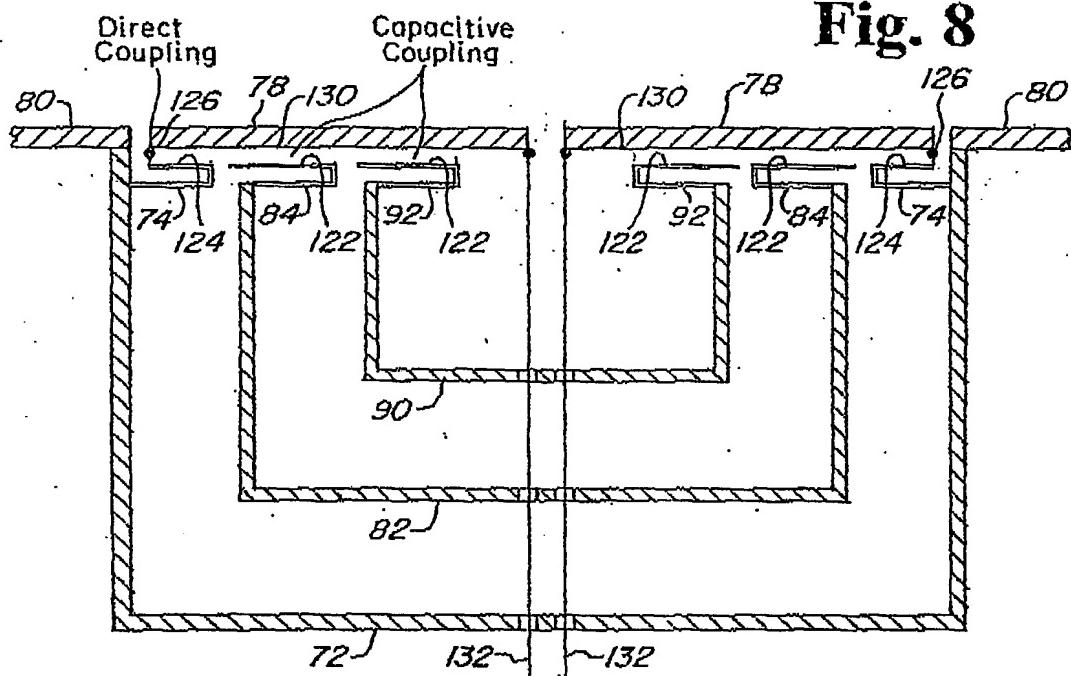
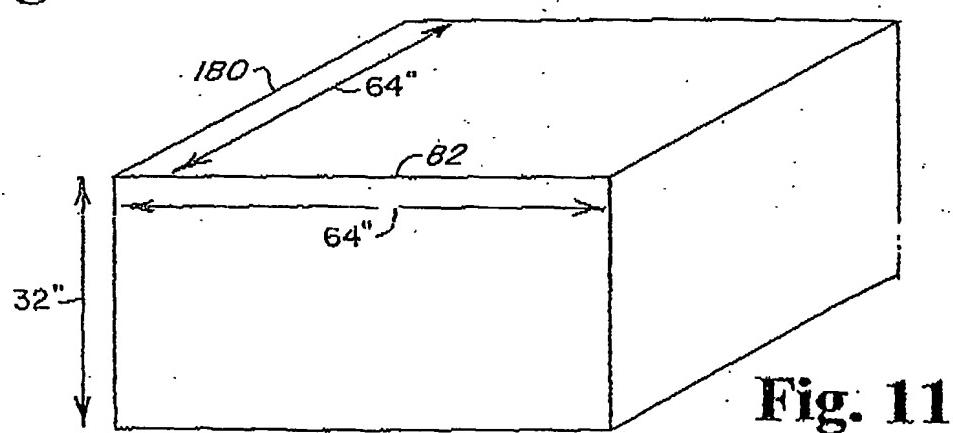
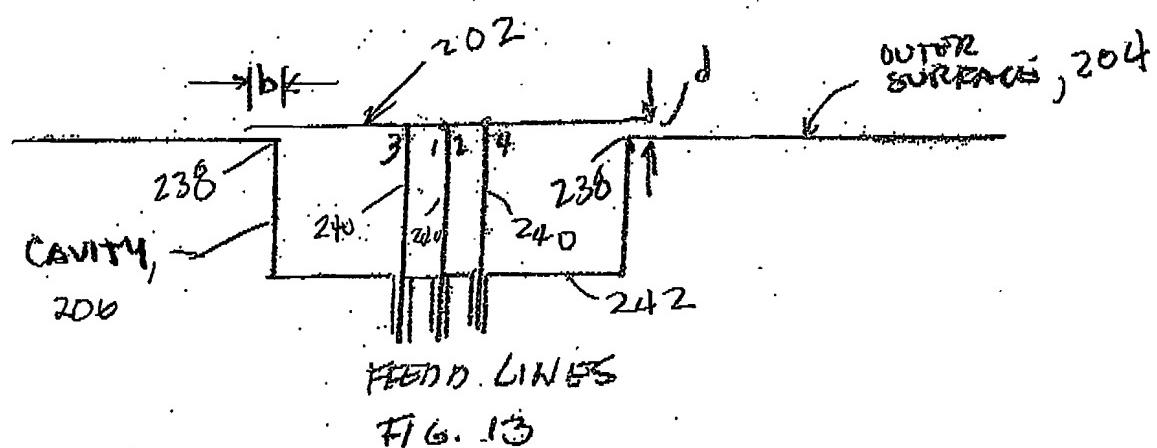
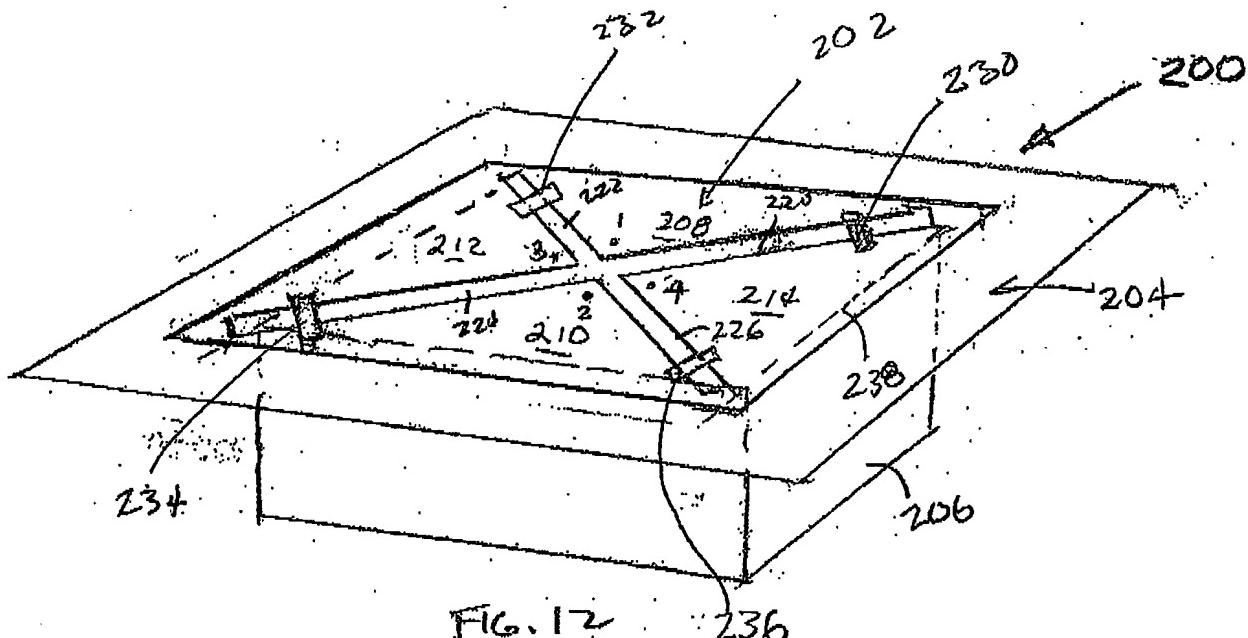


Fig. 9

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**Fig. 10****Fig. 11**

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FEED POINT	1	2	3	4
LOOP 62	+1	-1		
LOOP 34			1	1
CIRCULAR RIGHT	+1	-1	+j	-j
CIRCULAR LEFT	+1	-1	-j	+j

FIG. 14

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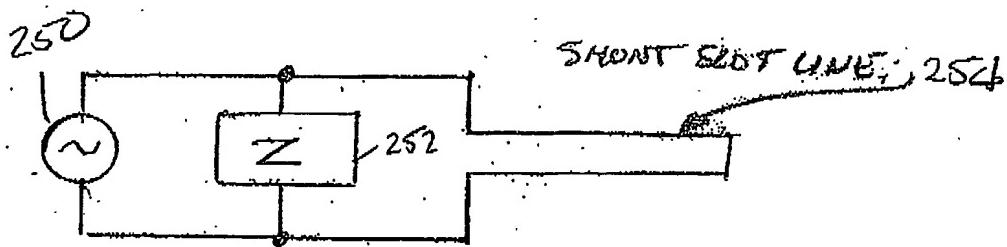


FIG. 15

GAIN AT
ZENITH

FREQ MHz	DBT Gain
80	-3.1
100	-1.0
120	0.1
140	1.2
180	2.2
250	2.5
300	3.1
350	2.9
400	3.4
450	5.1
500	4.9

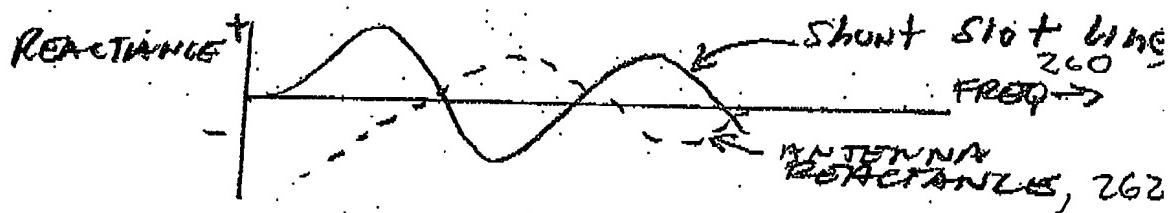


FIG. 16

FIG. 17

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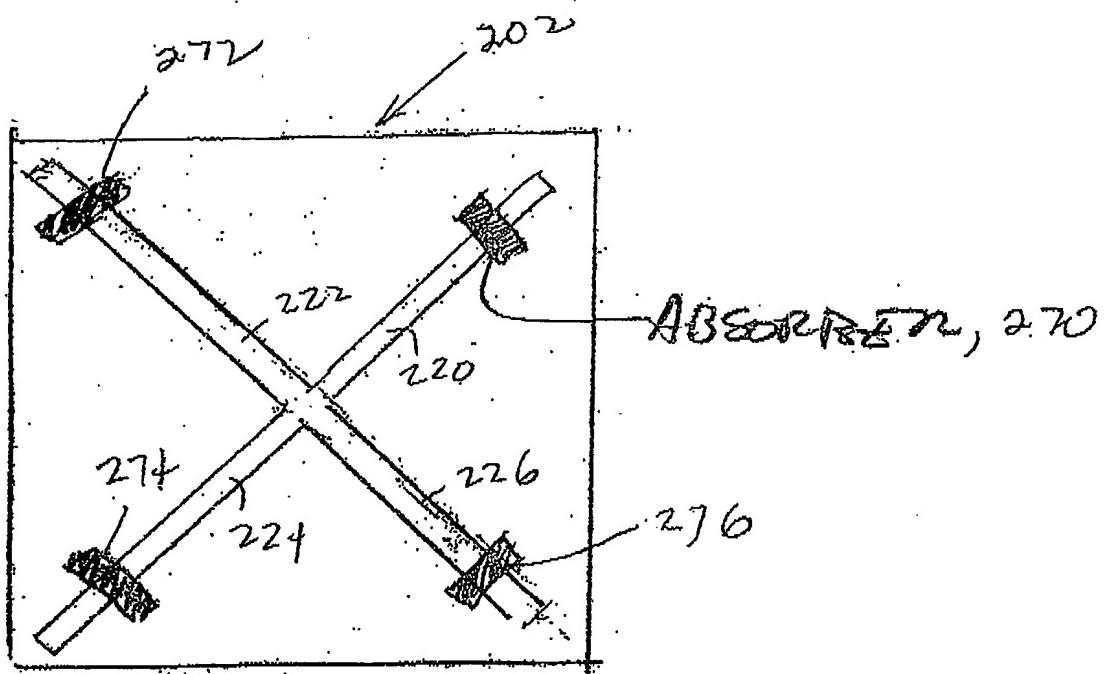


FIG. 18

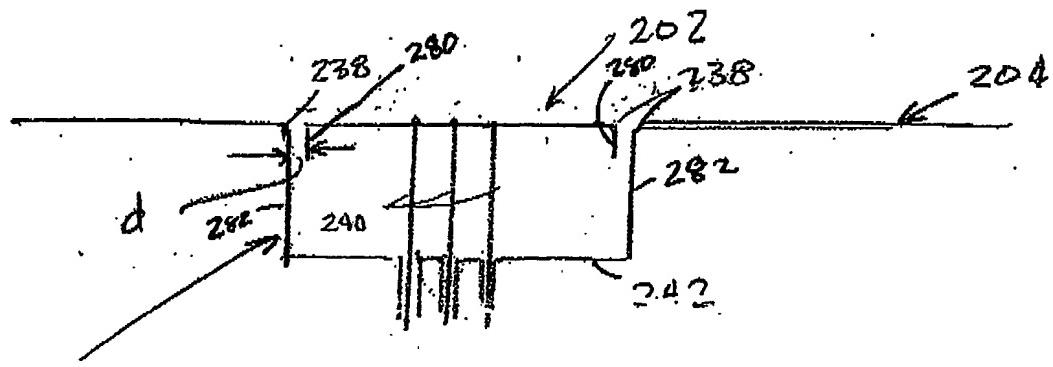


FIG. 19